

Abstract of the Disclosure

1 The disclosed BTSC encoder includes a left high pass filter means for receiving
2 a digital left channel audio signal and for digitally high pass filtering the digital left
3 channel audio signal and thereby generating a digital left filtered signal; a right high
4 pass filter means for receiving a digital right channel audio signal and for digitally high
5 pass filtering the digital right channel audio signal and thereby generating a digital right
6 filtered signal; a matrix means for receiving the digital left and digital right filtered
7 signals, and including means for summing the digital left and digital right filtered signals
8 and thereby generating a digital sum signal, and including means for subtracting one of
9 the digital left and digital right filtered signals from the other of the digital left and
10 digital right filtered signals and thereby generating a digital difference signal; a
11 difference channel processing means for digitally processing the digital difference signal;
12 and a sum channel processing means for digitally processing the digital sum signal.

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